

The Status of the Claims

Claims 1-20 (Cancelled).

21. (Previously presented) A multiple channel system for a twisted pair telephone wire local loop system, comprising:

a subscriber gateway system having a first transceiver coupled to the twisted pair telephone wire, the first transceiver to send and receive via multiple independent channels;

a second transceiver at a central office coupled to the twisted pair telephone wire, the second transceiver to send and receive via the multiple independent channels; and

a plurality of digital filters, operatively coupled to the first and second transceivers, to convey a signal via an available frequency band associated with the multiple independent channels.

22. (Previously presented) A multiple channel system as defined in claim 21, further comprising a digital subscriber line access multiplexer coupled to an output of the second transceiver.

23. (Cancelled).

24. (Previously presented) A multiple channel system as defined in claim 21, wherein each of the plurality of digital filters has an output, and wherein each of the outputs is to be summed by a summer.

25. (Previously presented) A multiple channel system as defined in claim 21, further comprising a plurality of digital demodulators and a plurality of digital modulators coupled to the digital filters.

26. (Cancelled).

27. (Withdrawn).

28. (Cancelled).

29. (Withdrawn).

30. (Cancelled).

31. (Cancelled).

32-37. (Withdrawn).

38. (Previously presented) A multiple channel system as defined in claim 21, wherein the first transceiver in the subscriber gateway is to transmit a plurality of frequency division multiplexed signals.

39. (Previously presented) A multiple channel system as defined in claim 21, wherein the first transceiver in the subscriber gateway is to transmit a plurality of time division multiplexed signals.

40. (Previously presented) A multiple channel system as defined in claim 21, wherein the first transceiver in the subscriber gateway is to transmit a plurality of code division multiplexed signals.

41. (Previously presented) A multiple channel system as defined in claim 21, further comprising a local circuit switch coupled to an output of the second transceiver.

42. (Withdrawn).